

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention

Determining the Number of Unidirectional and Bidirectional Motion Compensated Frames to be Encoded for a Video Sequence and Detecting Scene Cuts in the Video Sequence

Application Number : 10/658938



Confirmation Number: 3099

First Named Applicant: Barin Haskell

Attorney Docket Number: APLE.P0057

Art Unit:

Examiner: Gims S Philippe

Search string: (5592226 or 6307886 or 6611558 or 20020037051).pn

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
SP	1	5592226	1997-01-07	Bradley Dickinson			
SP	2	6307886	2001-10-23	Edward Westermann			
SP	3	6611558	2003-08-26	Yutaka Yokoyama			

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
SP	1	20020037051	2002-03-28	Yuuji Takenaka			

Signature

1/18/07

Examiner Name

Date

Gims S PHILIPPE

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Application Number : 10/658938
Confirmation Number: 3099
First Named Applicant: Barin Haskell
Attorney Docket Number: APLE.P0057
Art Unit: 2613
Examiner: Gims S. Philippe
Search string: (5774593 or 20020146071).pn



US Patent Documents

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init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
1A	1	5774593	1998-06-30	Gregory L Zick			

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1A	1	20020146071	2002-10-10	Liu-Ming Chang			

Signature

Examiner Name	Date
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IDS - 02/01/2005 ELECTRONIC INFORMATION DISCLOSURE STATEMENT

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Application Number : 10/658938
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First Named Applicant: Barin Haskell
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GP	1	20020146071	2002-10-10	Liu-Ming Chang			

Signature

Examiner Name	Date
/Gims Philippe/	01/13/2007

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/658,938
				Filing Date	9/9/2003
				First Named Inventor	Barin G. Haskell
				Group Art Unit	2613
				Examiner Name	Gims S. Philippe
Sheet	1	of	1	Attorney Docket Number	APLE.P0057

U.S. PATENT DOCUMENTS

Examiner* Initials	Cite No. ¹	U.S. Patent Document Number Kind Code* (if known)	Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
GP	1.	International Search Report	01-07-2002		

FOREIGN PATENT DOCUMENTS

Examiner* Initials	Cite No. ¹	Foreign Patent Document			Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code (if known) ⁵				
GP	2.	GB	2263602	A	07-28-1993	Sony UK LTD; Sony Broadcast & Communication		

NON PATENT LITERATURE DOCUMENTS

Examiner* Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
GP	3.	LIU-H-C et al: "Scene Decomposition of MPEG Compressed Video" Proceedings of the Spie, Spie Bellingham, VA, US, vol. 2419, 7 February 1995 (1995-02-07), pages 26-37, XP000671108 ISSN: 0277-786X the whole document.	

Examiner Signature	/Gims Philippe/	Date Considered	01/13/2007
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete If Known	
				Application Number	10/658,938
				Filing Date	09-09-2003
				First Named Inventor	Barin G. Haskell, et al.
				Group Art Unit	2621
				Examiner Name	Philippe, Gims S.
Sheet	1	of	1	Attorney Docket Number	APLE.P0057 (3142US1)

FOREIGN FILING DOCUMENTS					
Examiner* Initials	Cite No. ¹	Name of Foreign Filing Document	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
GP	1.	Written Opinion of the International Searching Authority	01-10-2005		

Examiner Signature	/Gims Philippe/	Date Considered	01/13/2007
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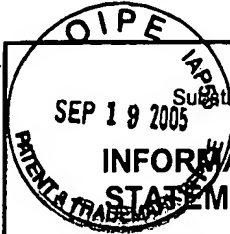
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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				Application Number	10/658,938
				Filing Date	09-09-2003
				First Named Inventor	Barin Haskell
				Group Art Unit	2613
				Examiner Name	Philippe, Gims S.
Sheet	1	of	5	Attorney Docket Number	APLE.P0057

U.S. PATENT DOCUMENTS						
Examiner* Initials	Cite No. ¹	U.S. Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code* (if known)			
GP	1.	6,611,558	B1	08-26-2003	Yokoyama	
	2.	5,592,226	A	01-07-1997	Dickinson	
	3.	6,307,886	B1	10-23-2001	Westermann	
	4.	5,774,593	A	06-30-1998	Zick	
	5.	6,480,540	B1	11-12-2002	Guill	
	6.	5,565,920	A	10-15-1996	Lee	
	7.	6,618,507	B1	09-09-2003	Divakaran	
	8.	6,778,708	B1	08-17-2004	Divakaran	
	9.	2002/037051	A1	03-28-2002	Takenaka	
	10.	2002/146071	A1	10-10-2002	Liu	
	11.	2002/150160	A1	10-17-2002	Liu	
GP	12.	2002/150162	A1	10-17-2002	Liu	

FOREIGN PATENT DOCUMENTS								
Examiner* Initials	Cite No. ¹	Foreign Patent Document			Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
		Office ³	Number ⁴	Kind Code (if known) ⁵				
GP	13.	EP	0987903	A1	03-22-2000	Thomson Multimedia SA		
GP	14.	GB	2263602	A	07-28-1993	Sony United Kingdom Limited		
GP	15.	EP	1022667	A2	07-26-2000	Mitsubishi Electric Corp.		

Examiner Signature	/Gims Philippe/	Date Considered	01/13/2007
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				Application Number	10/658,938
				Filing Date	09-09-2003
				First Named Inventor	Barin Haskell
				Group Art Unit	2613
				Examiner Name	Philippe, Gims S.
Sheet	2	of	5	Attorney Docket Number	APLE.P0057

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GP	16.	EP	1005229	A2	05-31-2000	Hewlett Packard Co.	
	17.	WO	2004/036920	A1	04-29-2004	Konin-Klijke, Philips Electronics N.V.	
	18.	FR	2783388	A1	03-17-2000	Thomson Multimedia SA	See Int.'l Search Rep. - Form PCT/ISA/210 (Counterpart to EP 0987903 A1)
	19.	BR	9904108	A	09-05-2000	Thomson Multimedia SA	See Int.'l Search Rep. - Form PCT/ISA/210 (Counterpart to EP 0987903 A1)
	20.	CN	1248864	A	03-29-2000	Thomson Multimedia SA	See Int.'l Search Rep. - Form PCT/ISA/210 (Counterpart to EP 0987903 A1)
	21.	ID	23263	A	04-05-2000	Thomson Multimedia SA	See Int.'l Search Rep. - Form PCT/ISA/210 (Counterpart to EP 0987903 A1)
	22.	JP	2000102021	A	04-07-2000	Thomson Multimedia SA	See Int.'l Search Rep. - Form PCT/ISA/210 (Counterpart to EP 0987903 A1)
	23.	KR	2000023133	A	04-25-2000	Thomson Multimedia SA	See Int.'l Search Rep. - Form PCT/ISA/210 (Counterpart to EP 0987903 A1)
GP	24.	PL	335413	A1	03-27-2000	Thomson Multimedia SA	See Int.'l Search Rep. - Form PCT/ISA/210 (Counterpart to EP 0987903 A1)

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				Examiner Name	Philippe, Gims S.
Sheet	3	of	5	Attorney Docket Number	APLE.P0057

FOREIGN PATENT DOCUMENTS							
GP	25.	ZA	9905802	A	04-03-2000	Thomson Multimedia SA	See Int.'l Search Rep. - Form PCT/ISA/210 (Counterpart to EP 0987903 A1)
	26.	JP	2001128179	A	05-11-2001	NEC Corporation	See Int.'l Search Rep. - Form PCT/ISA/210 (Counterpart to US 6611558 B1)
	27.	JP	2002101416	A	04-05-2002	Takenaka	See Int.'l Search Rep. - Form PCT/ISA/210 (Counterpart to US 2002037051 A1)
	28.	AU	1729495	A	08-15-1995	BTG USA Inc.	See Int.'l Search Rep. - Form PCT/ISA/210 (Counterpart to US 5592226 A)
	29.	CA	2182005	A1	08-03-1995	BTG USA Inc.	See Int.'l Search Rep. - Form PCT/ISA/210 (Counterpart to US 5592226 A)
	30.	EP	0741945	A1	11-13-1996	BTG USA Inc.	See Int.'l Search Rep. - Form PCT/ISA/210 (Counterpart to US 5592226 A)
	31.	JP	9509024	T	09-09-1997	BTG USA Inc.	See Int.'l Search Rep. - Form PCT/ISA/210 (Counterpart to US 5592226 A)
GP	32.	WO	9520863	A1	08-03-1995	BTG USA Inc.	See Int.'l Search Rep. - Form PCT/ISA/210 (Counterpart to

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				Filing Date	09-09-2003
				First Named Inventor	Barin Haskell
				Group Art Unit	2613
				Examiner Name	Philippe, Gims S.
Sheet	4	of	5	Attorney Docket Number	APLE.P0057

FOREIGN PATENT DOCUMENTS							
							US 5592226 A)
GP	33.	JP	11275585	A	10-08-1999	International Business Machines Corp.	See Int.'l Search Rep. – Form PCT/ISA/210 (Counterpart to US 6307886 B1)
	34.	SG	74691	A1	08-22-2000	International Business Machines Corp.	See Int.'l Search Rep. – Form PCT/ISA/210 (Counterpart to US 6307886 B1)
	35.	JP	2000224590	A	08-11-2000	Mitsubishi Electric Corp.	See Int.'l Search Rep. – Form PCT/ISA/210 (Counterpart to EP 1022667 A)
	36.	CN	1255021	A	05-31-2000	Hewlett Packard Co.	See Int.'l Search Rep. – Form PCT/ISA/210 (Counterpart to EP 1005229 A)
	37.	JP	2000165889	A	06-16-2000	Hewlett Packard Co.	See Int.'l Search Rep. – Form PCT/ISA/210 (Counterpart to EP 1005229 A)
GP	38.	KR	2000035571	A	06-26-2000	Hewlett Packard Co.	See Int.'l Search Rep. – Form PCT/ISA/210 (Counterpart to EP 1005229 A)

Examiner Signature	/Gims Philippe/	Date Considered	01/13/2007
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				Filing Date	09-09-2003
				First Named Inventor	Barin Haskell
				Group Art Unit	2613
Examiner Name	Philippe, Gims S.				
Sheet	5	of	5	Attorney Docket Number	APLE.P0057

NON PATENT LITERATURE DOCUMENTS				
Examiner* Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
GP ↓	39.	RAMKISHOR K., et al., "Adaptation of Video Encoders for Improvement in Quality" <i>Proceedings of the 2003 IEEE International Symposium on Circuits and Systems</i> , May 25, 2003, pages II-693, IEEE, Piscataway, NJ, USA.		
	40.	PEKER K. A., et al., "A Novel Pair-wise Comparison Based Analytical Framework for Automatic Measurement of Intensity of Motion Activity of Video Segments," <i>2001 IEEE International Conference on Multimedia and Expo</i> , August 22, 2001, pages 936-939, IEEE, US.		
	41.	INTERNATIONAL BUSINESS MACHINES CORPORATION, "Dynamic-GOP for a MPEG-2 Video Compression," <i>Research Disclosure</i> , April 1, 1999, pages (whole document), vol. 42, no. 420, Kenneth Mason Publications, Hampshire, GB.		
GP ↓	42.	LIU H-C. H., et al., "Scene Decomposition of MPEG Compressed Video," <i>Proceedings of the SPIE</i> , February 7, 1995, pages 26-37, vol. 2419, SPIE, Bellingham, VA, US.		

Examiner Signature	/Gims Philippe/	Date Considered	01/13/2007
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ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1

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Title of Invention

Determining the Number of Unidirectional and Bidirectional Motion
Compensated Frames to be Encoded for a Video Sequence and
Detecting Scene Cuts in the Video Sequence

Submission Type : Information Disclosure
Statement

Application Number:

10/658938



EFS ID:

75767

Server Response:

Confirmation Code	Message
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First Named Applicant: Barin Haskell

Attorney Docket Number: APLE.P0057

Timestamp: 2005-01-11 17:11:07 EDT

From: US

File Listing:

Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)
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us-lds	us-lds.dtd	7763	2005-01-11
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